

SEQUENCE LISTING

<110> MERISTEM THERAPEUTICS

<120> CLEAN SYNTHETIC VECTORS, PLASMIDS, TRANSGENIC PLANTS
AND PLANT PARTS CONTAINING SAID VECTORS, AND THEIR
METHODS OF PRODUCTION

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<170> PatentIn Ver. 2.1

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<223> Origin of replication ori RK2

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<222> (655)..(2013)

<223> NPT III gene coding for neomycin
phosphotransferase and kanamycin resistance

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<221> misc_feature

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<223> TrfA locus from pRK2 coding for two proteins P285
and P382 enabling an increase in the replication
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<223> Origin of replication ori ColEI

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 and P382 enabling the increase of the rate of
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<223> Origin of replication ori ColEI

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<222> (1264)..(2603)
<223> NPT III gene coding for neomycin
      phosphotransferase and kanamycin resistance

<220>
<221> misc_feature
<222> (2604)..(4098)
<223> TrfA locus from RK2 coding for two proteins, P285
      and P382, enabling the increase in the rate of
      replication

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      and kanamycin resistance

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<223> Nopaline synthetase promoter

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<223> Poly A from 35S ribosome

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<223> Origin of replication ori RK2

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<221> rep_origin

<222> (655)..(1263)

<223> Origin of replication ori ColEI

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 <222> (1264)..(2603)
 <223> NPT III gene coding for neomycin
 phosphotransferase and kanamycin resistance

 <220>
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 <222> (2604)..(4098)
 <223> TrfA locus from pRK2 coding for two proteins, P285
 and P382, enabling the increase in the replication
 rate

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 transferase and kanamycin resistance

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 <223> Nopaline synthetase promoter

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 <223> MCS multiple cloning site

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 <223> Poly A from 35S ribosome

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<223> Origin of replication ori RK2

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<222> (1264)..(2603)
<223> NPT III gene coding for neomycin
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<220>
<221> misc_feature
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<223> TrfA locus from RK2 coding for two proteins, P285
and P382, enabling the increase in the rate of
replication

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<223> NPT III gene coding for neomycin
phosphotransferase and kanamycin resistance

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phosphotransferase and kanamycin resistance

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and P382, enabling the inncrease in the rate of
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and kanamycin resistance

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<223> TrfA locus from RK2 coding for two proteins, P285
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replication

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phosphotransferase and kanamycin resistance

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:Oligo
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28

<210> 24

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligo
Desoxynucleotide containing StuI restriction site

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43

<210> 25

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing StuI
restriction site

<400> 25

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43

<210> 26

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial
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restriction site

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52

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<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial
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 <210> 31
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 <212> DNA
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 <210> 32
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47

<210> 33

<211> 47

<212> DNA

<213> Artificial Sequence

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Sequence:Oligodesoxynucleotide containing Bsp120I
restriction site

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47

<210> 34

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial
Sequence:Oligodesoxynucleotide downstream of a
BstBI restriction site

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25

<210> 35

<211> 47

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial
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restriction sites KpnI, HindIII, EcoRI and XhoI

<400> 35

cggtagcgaa gctttgaatt cactcgagca gattgtcggt tcccgcc

47

<210> 36

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing
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<400> 36

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36

<210> 37

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial

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<210> 38
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<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing XhoI,
EcoRI, HindIII et KpnI restriction sites

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<210> 39
<211> 25
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial
Sequence:Oligodesoxynucleotide for synthesis of
part of npt II and BspEI site

<400> 39
ggaatcgaaa tctcgtgatg gcagg 25

<210> 40
<211> 24
<212> DNA
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Sequence:Oligodesoxynucleotide used for synthesis
of part of Pnos and npt II

<400> 40
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<210> 41
<211> 52
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<220>
<223> Description of Artificial
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et FseI restriction sites of an MCS

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<210> 42
<211> 52

<212> DNA
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 et FseI restriction sites of an MCS

 <400> 42
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 <210> 43
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 restriction site

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 <210> 44
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 Sequence:Oligodesoxynucleotide containing BspEI
 restriction site

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 <210> 45
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 restriction site

 <400> 45
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 <210> 46
 <211> 19
 <212> DNA
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 Sequence:Oligodesoxynucleotide containing BstBI
 restriction site

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19

<210> 47
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<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide used for synthesis
of plasmid pUC19-uidA-Tnos delta EcoRI

<400> 47
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21

<210> 48
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing NcoI and
SmaI restriction sites

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29

<210> 49
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<212> DNA
<213> Artificial Sequence

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Sequence:Oligodesoxynucleotide situated upstream
of SnaBI restriction site

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expression cassette of pBIN19

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PCT/IB00/00370

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<223> Description of Artificial Sequence:pMRT1341

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<221> misc_feature

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<223> pMRT1341 results from the replacement of the
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pMRT1335 by the expression cassette
"ep35S-gfp-polyA35S" isolated from pMRT1337

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<223> Description of Artificial Sequence:pMRT1342

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 "L5-gus-polyA35S" isolated from pMRT1336

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